Product environmental attributes – THE ECO DECLARATION

Brand *	***Hewlett-Packard***	**Logo**
Company name *	***Hewlett-Packard Company***	
Contact information *	***Hans Wendschlag*** *http://www.hp.com/hpinfo/globalcitizenship/environment/contactemail.html*	
Internet site *	*http://www.hp.com/hpinfo/globalcitizenship/environment/*	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	***Notebook PC***
Commercial name *	***HP Pavilion dv5 Entertainment PC***
Model number *	***dv5-2000AA to dv5-2299ZZ (Intel)***
Issue date *	***01/09/2011***
Intended market *	☒ **Global** ☐ **Europe** ☐ **Japan** ☐ **U.S.** ☐ **Other**
Additional information	

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The declaration may be published only when all rows and/or fields marked with a * are filled-in (n.a. for not applicable).

Quality Control		**Requirement met**	
Item	Additional information regarding each item may be found under P14.	Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	☒	☐
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see http://www.itforetagen.se).	☒	☐

Model number *	*dv5-2000AA to dv5-2299ZZ (Intel)*	Logo	
Issue date *	*01/09/2011*		

Product environmental attributes - Legal requirements		Requirement met		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P1	**Hazardous substances and preparations**			
P1.1*	Products do not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) as specified in *EU 2002/95/EC and its amendments*	☒	☐	
P1.2*	Products do not contain Asbestos *(EU 76/769/EEC, amendment 1999/77/EC)*	☒	☐	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (*EU : Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000)*	☒	☐	
P1.4*	Products do not contain polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), (*EU 76/769/EEC)*	☒	☐	
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP as specified in *Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002*	☒	☐	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (*EU 76/769/EEC)*	☒	☐	☐
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colourants that split aromatic amines as specified in *EU 76/769/EEC, amendment 2003/3/EC*	☒	☐	☐
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (*EU 76/769/EEC)*	☐	☐	☒
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations higher than specified in *76/769/EEC, amendment 94/27/EEC*	☒	☐	☐
P2	**Batteries**			
P2.1*	If hazardous batteries (as defined in *91/157/EEC*) are used in the product they are easily removable and labelled with the disposal and the substance logo (as defined in *91/157/EEC, 93/86/EEC*)	☐	☐	☒
P2.2*	If batteries are used in the product they do not contain mercury in concentrations higher than specified in *91/157/EEC*	☒	☐	☐
P2.3*	If batteries are permanently installed in the product, information on the environmentally hazardous substances and safe removal method is listed in the user manual *(91/157/EEC)*	☐	☐	☒
P3	**Electrical safety, EMC and connection to the telephone network**			
P3.1*	The product meets the Low Voltage Directive (LVD) regarding electrical safety *(73/23/EEC & 93/68/EEC)*	☒	☐	☐
P3.2*	The product meets the EMC Directive regarding electromagnetic compatibility *(89/336/EEC / 2004/108/EEC after June, 20th 2007*	☒	☐	☐
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EU R&TTE Directive *(1999/5/EC)*	☒	☐	☐
P3.4*	The product is CE-marked *and a Declaration of Conformity is available (93/68/EEC)*	☒	☐	☐
P4	**Consumable materials**			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in *(76/769/EEC and 91/338/EEC)*	☐	☐	☒
P4.2*	If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in *(76/769/EEC and 91/338/EEC)*	☐	☐	☒
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to EU Directive 1999/45/EC, and as amended, the product/packaging is labelled and a Material Safety Data Sheet (MSDS) in accordance with *(99/45/EC & 2001/58/EC)* is available.	☐	☐	☒
P5	**Product packaging**			
P5.1*	The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packaging or packaging components does not exceed 0,01% by weight *(94/62/EC).*	☒	☐	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043.*(97/129/EEC)*	☒	☐	☐
P5.3*	The product packaging material is free from CFC/HCFC.	☒	☐	☐
P6	**Treatment information**			
P6.1*	Information for recyclers/treatment facilities (e.g. as requested by 2002/96/EC) is available.	☒	☐	☐

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Product environmental attributes - Market requirements - Environmental conscious design		Requirement met		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P7	**Design, Disassembly, recycling**			
P7.1*	Parts that have to be treated separately are easily separable	☒	☐	☐
P7.2*	Plastic materials in covers/housing have no surface coating.	☐	☒	☐
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.	☒	☐	☐
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.	☒	☐	☐
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	☒	☐	☐
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	☒	☐	☐
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	☒	☐	☐
P7.8*	Upgrading can be done using commonly available tools	☒	☐	☐
P7.9.	Spare parts are available after end of production for: 3 years			☐
P7.10	Service is available after end of production for: 5 years			☐
	Material and substance requirements			
P7.11*	Product cover/housing material type: Material type: PC+ABS Material type: Material type:			
P7.12*	Electrical cable insulation material of power cables are halogen free (including PVC)	☐	☐	☒
P7.13*	Electrical cable insulation material of signal cables are halogen free (including PVC)	☐	☐	☒
P7.14	All cover/housing plastic parts >25g are halogen free	☐	☒	☐
P7.15	All printed circuit boards (without components) >25g are halogen free	☐	☒	☐
P7.16	Chemical specifications of flame retardants in cover / housing plastic parts >25g according ISO 1043-4: FR(16),FR(40)	☒	☐	☐
P7.17	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: FR(16),FR(40)	☒	☐	☐
P7.18	Weight of recycled material in plastic parts is 0			
P7.19	Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/53 and R60/61 *(67/548/EEC)*	☒	☐	☐
P7.20	Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg	☒	☐	☐
P8	**Batteries**			
P8.1*	Product does not contain batteries defined as hazardous according to *91/157/EEC*	☒	☐	☐
P8.2*	Battery chemical composition: Li ion			☐
P8.3	Batteries meet the requirements of the following voluntary program/s:			☐
P9	**Energy consumption**			
9.1	For the product the following power levels or energy consumptions have been measured:			

Mode	Power level at * Volts	Time (s) to <mode>	Mode description	Reference/ Standard	n.a.
On-max	W		*	*	☐
On-normal	* W	to	*	*	☐
On-idle	W	to	*	*	☐
Save 1	* W	to	*	*	☐
Save 2	W	to	*	*	☐
Off 1	* W	to	*	*	☐
Off 2	W	to	*	*	☐
No load	* W		External power supplies/charger plugged in but disconnected from the product	*	☐
TEC	* kWh/y	Typical Energy Consumption per year		*	☒

P9.2*	Information about the energy save function is provided with the product.	☒	☐	☐
P9.3	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® MOU Others specify: ENERGY STAR ® MOU (Version 5.0)	☐ ☒	☐ ☐	☐ ☐

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Product environmental attributes - Market requirements (continued)						Requirement met		
Item	* = mandatory to fill in. Additional information regarding each item may be found under P14.					Yes	No	n.a.
P10	**Emissions**							
	Noise emission – Declared according to ISO 9296							
P10.1	Mode	Mode description	Declared A-weighted sound power level L_{WAd} (B)	Declared A-weighted sound pressure level L_{pAm} (dB) Operator position ☒	Bystander positions ☐ (only if product is not operator attended)			
				Desktop ☐ or Deskside ☐				
	Idle	* ***Fans on, HDD spinning (if applicable)***	* 3.4	27				☐
	Operation	* ***Fans on, HDD spinning***	* 3.8	31				☐
	Other mode							
	Measured according to: ☒ ISO 7779 ☒ ECMA-74 ☐ Other (only if not covered by ECMA-74 with L_{pAm} measurement distance m)							
P10.2	The product meets the acoustic noise requirements of the following voluntary program/s:					☐	☐	☐
	Chemical emissions from printing products							
P10.3*	Test performed according to ECMA-328 standard ☐, other specify: The test covers: Dust ☐ Ozone ☐ Styrene ☐ Benzene ☐ TVOC ☐					☐	☐	☒
P10.4	The product meets the chemical emission requirements of the following voluntary program/s:					☐	☐	☒
	Electromagnetic emissions							
P10.5	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:					☐	☐	☐
P11	**Consumable materials for printing products**							
P11.1*	A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required (see P4.3).					☐	☐	☒
P11.2*	Paper containing recycled fibres that meets the requirements of EN12281 can be used.					☐	☐	☒
P11.3*	2-sided (duplex) printing/copying is an integrated product function.					☐	☐	☒
P12	**Ergonomics for computing products**							
P12.1*	The computer system meets the ergonomic requirements of EN 29241-3, -7, -8 for CRT displays and EN-ISO13406-2 for flat panel displays.					☐	☐	☒
P12.2*	The product keyboard meets the requirements of ISO 9995 and EN 29241-4.					☐	☒	☐
P12.3*	The computer input device meets the requirements of ISO 9241-9.					☐	☐	☒
P13	**Packaging and documentation**							
P13.1*	Product packaging material type(s): Polyethylene low density weight (kg): 0.005 Product packaging material type(s): Molded Pulp weight (kg): 0.195 Product packaging material type(s): Corrugated weight (kg): 0.78					☒	☐	
P13.2*	Product plastic packaging is halogen free (including PVC)					☒	☐	☐
P13.3*	User and product documentation do not contain chlorine bleached paper					☒	☐	☐
P13.4*	User and product documentation contain recycled paper					☒	☐	☐

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P9	**Energy consumption**
9.1	For the product the following power levels or energy consumptions have been measured:

Power Consumption Mode Description	**Power Consumption AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz**	**Power Consumption AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz**	**Power Consumption AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz**	**Default Time Settings to Enter Energy Saving Mode**	**Reference Standard (test method)**
On-Idle (ENERGY STAR® Idle (S0))	9.35W	9.45W	9.87W	Not Applicable	ENERGY STAR® Program Requirements for Computers: Ver. 5.0
ENERGY STAR® "Sleep" (S3) (WOL enabled)	1.16W	1.17W	1.32W	30 minutes (system unit)	ENERGY STAR® Program Requirements for Computers: Ver. 5.0
ENERGY STAR® "Standby" (Off) (S5) (WOL disabled)	0.65W	0.65W	0.78W	Not Applicable	ENERGY STAR® Program Requirements for Computers: Ver. 5.0
***ENERGY STAR®* No-Load**	0.12W	0.2W	0.35W	Not Applicable	ENERGY STAR® Program Requirements for Single Voltage External Ac-Dc and Ac-Ac Power Supplies

P14	**Additional information**
All sections	1. Product environmental information contained in this declaration is valid as of the date the declaration is published. Changes to external standards referenced in the IT Eco-Declaration may invalidate some information contained in this declaration over time.
P9	1. Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family . HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured model. 2. For more information about HP's ENERGY STAR® qualified products, go to hp.com: http://www.hp.com/ and select the applicable market segments and product categories for more information. 3. Energy Efficiency information published on the ECMA 370 The Eco Declaration represents a typically configured product base model meeting ENERGY STAR® specifications if offered within the model family. If optional components or modules are added, like extra hard disks or graphic cards etc, these can change the energy efficiency data listed above. 4. Power consumption in the Off / Apparent Off mode is measured and reported with the network interface controller (NIC) WOL disabled.
P10	*1. Acoustic noise information published on the ECMA 370 The Eco Declaration represents a typically configured product base model only. If optional items with moving parts are added, like extra hard disks or graphic cards with fans etc, these can change acoustic noise values for which HP can take no responsibility.*

NOTE:
Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the [Enter] key.